

On the growth of nonvanishing analytic functions

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Abstract

In this article by a new and simple method we derive new and old coefficient bounds and distortion theorems for functions $G(z)$ analytic in the unit disk and satisfying $\sup(|G(z)|(1 - |z|^2)^a) \leq 1$ for some $a \geq 0$. These results enable us to $|z| < 1$ prove analogous theorems for the subclasses consisting of nonvanishing functions.
